

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Inventors:** Vogels et al.

**Patent No.:** 6,929,946 B1

**Issued:** August 16, 2005

**For:** GENE DELIVERY VECTORS  
PROVIDED WITH A TISSUE TROPISM  
FOR SMOOTH MUSCLE CELLS, AND/OR  
ENDOTHELIAL CELLS

**Attorney Docket No.:** 2578-4231US

**VIA ELECTRONIC FILING**

**JUNE 11, 2009**

**REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT  
OFFICE MISTAKES (37 C.F.R. § 1.322)**

Attn.: Certificate of Corrections Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

It is noted that several errors appear in this patent of a typographical nature. These errors are due to mistakes in printing on the part of the U.S. Patent and Trademark Office, and occurred through no fault of the Applicants. A certificate of correction in the form attached hereto is requested.

Please send the Certificate to:

Name: Allen C. Turner  
Address: TraskBritt  
P.O. Box 2550  
Salt Lake City, Utah 84110

Attached hereto is Form PTO/SB/44, which is suitable for printing.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Allen C. Turner". The signature is fluid and cursive, with a long horizontal stroke at the end.

Allen C. Turner  
Registration No. 33,041  
Attorney for Applicants  
TRASKBRITT, PC  
P.O. Box 2550  
Salt Lake City, Utah 84110-2550  
Telephone: 801-532-1922

Date: January 8, 2009  
ACT/df/ab

Attachment: PTO/SB/44

Document in ProLaw

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,929,946 B1  
APPLICATION NO. : 09/444,284  
ISSUE DATE : August 16, 2005  
INVENTOR(S) : Ronald Vogels; Menzo J.E. Havenga; and Abraham Bout

Page 1 of 6

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**On the title page:**

**In ITEM (56) References Cited**

FOREIGN PATENT DOCUMENTS

change "JP 207631 3/1990" to  
--JP 2078631 3/1990--

**In ITEM (56) References Cited**

OTHER PUBLICATIONS

insert --Skolnick et al., 2000, TIBTECH,  
vol. 18, pp. 34-39.\*--  
change "2001, Journl of Vascular Research, vol. 38, 471-  
478.\*" to --2001, Journal of Vascular Research, vol. 38,  
471-478.\*--  
change "#Ball-Goodrich et al., "Paroviral Target Cell  
Specificity: Acquisition of Fibrotropism by a Mutant of  
the Lymphotropic Strain of Minute Virus of Mice  
Involves Multiple Amino Acid Substitutes within the  
Capsid," Virology, 184, 175-186." to  
--#Ball-Goodrich et al., "Parvoviral Target Cell  
Specificity: Acquisition of Fibrotropism by a Mutant of  
the Lymphotropic Strain of Minute Virus of Mice  
Involves Multiple Amino Acid Substitutes within the  
Capsid," Virology, 184, 175-186 (1991).--  
change "#Boursnell et al., In vivo" to  
--#Boursnell et al., In vitro--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Allen C. Turner  
TRASKBRITT  
230 South 500 East, Suite 300  
Salt Lake City, Utah 84102 USA

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
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Page 2 of 6

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In ITEM (56) **References Cited (cont.)**  
OTHER PUBLICATIONS PAGE 3

change “#Dupuit et al., “Regenerating Cells in Human Airway” to  
--#Dupuit et al., “Regenerating Cells in Human Airway--  
change “#Falgout et al., Characterizations of Adenovirus Particles Made by Deletion Mutuants”  
to --#Falgout et al., Characterizations of Adenovirus Particles Made by Deletion Mutants--  
change “#Horvath et al., “Nonpermissively of Human Blood” to --#Horvath et al., “Nonpermissivity of Human Peripheral Blood--  
change “#Matrangeli et al., “In Vivo Gene”  
to --#Mastrangeli et al., “In Vivo Gene--  
change “#Mautner et al., Recombination in Adeniovirus: Analysis” to --#Mautner et al., Recombination in Adenovirus: Analysis--  
change “#NEDA et al.,” to --#Neda et al.,--  
change “file://F1N1Hrec.htm” to  
--file:///F1N1in Hrec.htm--

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**In ITEM (56) References Cited (cont.)  
OTHER PUBLICATIONS**

change “#Pring-Akerblom et al., Sequence  
Charaterization” to  
--#Pring-Åkerblom et al., Sequence Characterization--

**In ITEM (57) Abstract**

change “fragments can comprises” to  
--fragments can comprise--  
change “Particular construct” to --Particular constructs--

**In the specification:**

COLUMN 6, LINE 66,	change “from” to --form--
COLUMN 12, LINE 35,	change “contain deletion in” to --contain deletions in--
COLUMN 16, LINE 1,	change “aspect of the” to --aspect the--
COLUMN 20, LINE 18,	change “virus bend” to --virus band--
COLUMN 23, LINE 19,	change “(Wadeil et al 1984).”to --(Wadell et al. 1984).--
COLUMN 25, LINE 35,	change “A: 5'-CCC GTG TAT CCA TAT GAT GCA GAC AAC GAC CGA CC-3'” to --A: 5'-CCC GTG TAT CCA TAT GAT GCA GAC AAC GAC CGA CC-3'--
COLUMN 25, LINE 36,	change “B: 5'-CCC GTC TAC CCA TAT GGC TAC GCG CGG-3'” to --B: 5'-CCC GTC TAC CCA TAT GGC TAC GCG CGG-3'

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Page 4 of 6

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### In the specification (cont.):

#### TABLE 1

COLUMN 25, LINE 37,	change 'C: 5'-CCK GTS TAC CCA TAT GAA GAT GAA AGC-3"' to --C: 5'-CCK GTS TAC CCA TAT GAA GAT GAA AGC-3'--
COLUMN 25, LINE 38,	change "D: 5'-CCC GTC TAC CCA TAT GAC ACC TYC TCA ACT C-3'" to --D: 5'-CCC GTC TAC CCA TAT GAC ACC TYC TCA ACT C-3'--
COLUMN 25, LINE 39,	change "E: 5'-CCC GTT TAC CCA TAT GAC CCA TTT GAC ACA TCA GAC-3'" to --E: 5'-CCC GTT TAC CCA TAT GAC CCA TTT GAC ACA TCA GAC-3'--
COLUMN 25, LINE 40,	change "1: 5'-CCG ATG CAT TTA TTG TTG GGC TAT ATA GGA-3'" to --1: 5'-CCG ATG CAT TTA TTG TTG GGC TAT ATA GGA-3'--
COLUMN 25, LINE 41,	change "2: 5'-CCG ATG CAT TYA TTC TTG GGC RAT ATA GGA-3'" to --2: 5'-CCG ATG CAT TYA TTC TTG GGC RAT ATA GGA-3'--
COLUMN 25, LINE 42,	change "3: 5'-CCG ATG CAT TTA TTC TTG GGR AAT GTA WGA AAA GGA-3'" to --3: 5'-CCG ATG CAT TTA TTC TTG GGR AAT GTA WGA AAA GGA-3'--
COLUMN 25, LINE 43,	change "4: 5'-CCG ATG CAT TCA GTC ATC TTC TCT GAT ATA-3'" to --4: 5'-CCG ATG CAT TCA GTC ATC TTC TCT GAT ATA-3'--

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**In the specification (cont.):**

**TABLE 1**

COLUMN 25, LINE 44,	change "5: 5'-CCG ATG CAT TTA TTG TTC AGT TAT GTA GCA-3'" to --5: 5'-CCG <b>ATG CAT</b> TTA TTG TTC AGT TAT GTA GCA-3'--
COLUMN 25, LINE 45,	change "6: 5'-GCC ATG CAT TTA TTG TTC TGT TAC ATA AGA-3'" to --6: 5'-GCC <b>ATG CAT</b> TTA TTG TTC TGT TAC ATA AGA-3'--
COLUMN 25, LINE 46,	change "7: 5'-CCG TTA ATT AAG CCC TTA TTG TTC TGT TAC ATA AGA A-3'" to --7: 5'-CCG <b>TTA ATT AAG CCC</b> TTA TTG TTC TGT TAC ATA AGA A-3'--
COLUMN 25, LINE 47,	change " 8: 5'-CCG ATG CAT TCA GTC ATC YTC TWT AAT ATA-3'" to --8: 5'-CCG <b>ATG CAT</b> TCA GTC ATC YTC TWT AAT ATA-3'--
COLUMN 25, LINE 63,	change "HUVamc 70%" to --HUVsmc 70%--
COLUMN 25, LINE 64,	change "HUVamc 100%" to --HUVsmc 100%--
COLUMN 26, LINE 18,	change "(1977)." to --(1997).--
COLUMN 26, LINE 39,	change "L." to --I.--
COLUMN 27, LINE 32,	change "Bailey," to --Bailey,--
COLUMN 28, LINE 18,	change "Antonindes," to --Antoniudes,--
COLUMN 28, LINE 19,	change "Canrud," to --Camrud,--
COLUMN 28, LINE 31,	change "Signes," to --Signäs,--

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Page 6 of 6

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**In the specification (cont.):**

COLUMN 28, LINE 58, change "huminal" to --luminal--  
COLUMN 29, LINE 10, change "Quax, P.H.Z.," to -- Quax, P.H.A.,--

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